

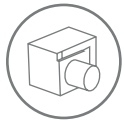
**LLURIA**  
Your Partner in Lighting



Cougar IP68; special for swimming pools

# Silicone upgrade *Now up to 5 years warranty*

The Cougar IP68 LED strips by Lluria take a leap in quality and evolve by changing their PVC coating to a silicone one. This new product provides several benefits.



## Injected and flush connectors

The connectors are now better integrated, without protruding from the strip volume itself, resulting in a much more aesthetic, easier and simpler installation.



## More efficiency

The lumens of our Cougar range are increased, which allows a higher light intensity for aquatic spaces, thanks to the silicone.



## Temperature resistance

Increased resistance to extreme temperatures. This feature is ideal for applications in environments with thermal contrasts, such as thermal pools or spas, where temperatures can fluctuate dramatically.

PVC **3** Warranty Years



Connector  
Front output



Connector  
Bottom output



Connector  
Right output



Connector  
Left output



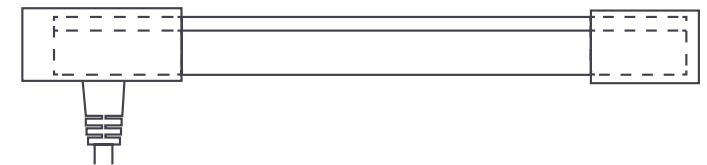
End cap

**5** Warranty Years Silicone

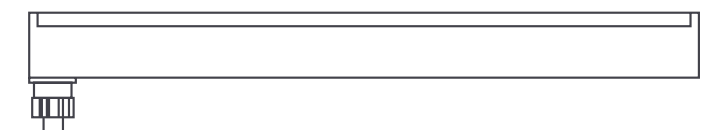


Sal Rossa apartments - Ibiza  
by Aixut Interiorisme

PVC



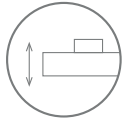
Silicone





### More length

It has increased the length of most LED strips by up to 50%, while maintaining the same connections to the power supplies.



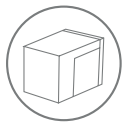
### More reliability

With a thicker PCB (Printed Circuit Board), the reliability of the processor and consequently of the strip is improved.<sup>1</sup>



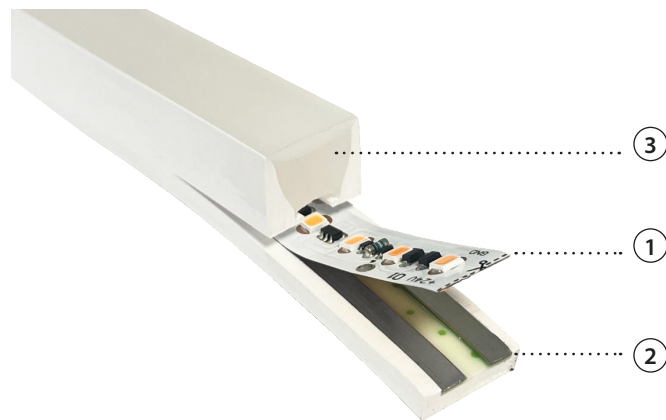
### Improved performance

Conductivity is improved and performance optimised, thanks to an evolution in electrified rails.<sup>2</sup>



### Uniformity

The full silicone coating allows the light body to be self-cleaning and anti-UV, as well as maintaining constant illumination.<sup>3</sup>



## Lluria synonymous with quality



### Longevity

Its long life, with more than **50.000 hours of service life**, guarantees less maintenance and replacements.



### Flexibility

Thanks to their flexible design, these strips can be adjusted both **horizontally and vertically** to fit into spaces, allowing for easy adaptation to various pool shapes and sizes.



### Chlorine and salinity resistance

Due to its protection index and its silicone coating, it is perfectly resistant to **chlorine** and **salt water**. This allows for great versatility in aquatic installations of all kinds.



### Variety of colours

They are available in a wide range of colour temperature and colour from **monochromatic, RGB, RGBW, Double White** or **Dim to Warm**.

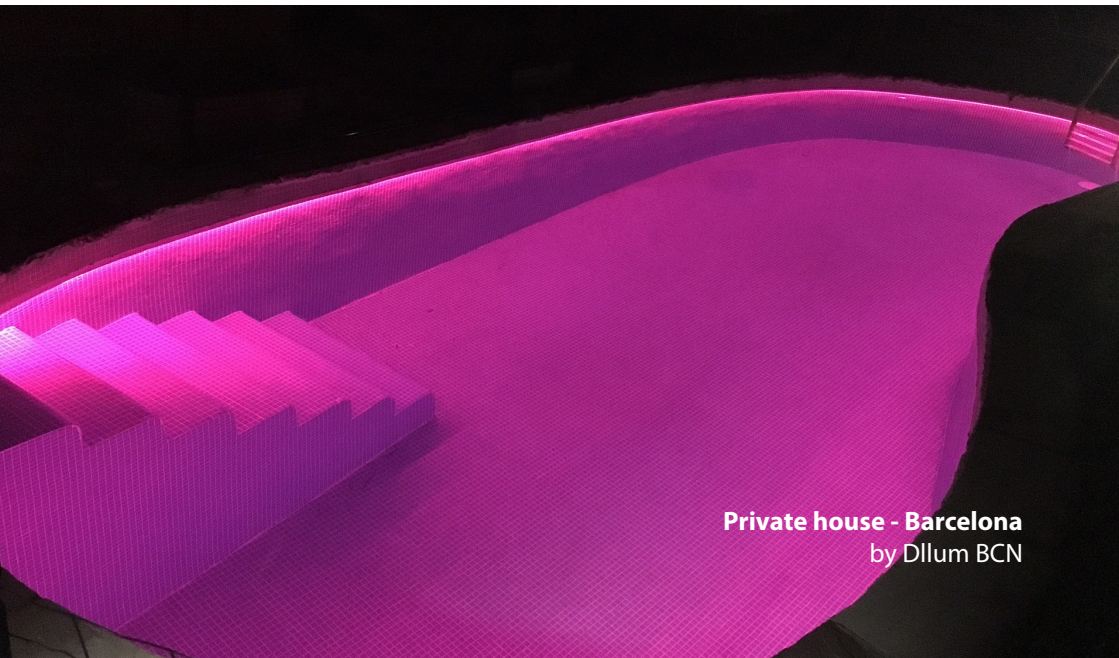
Coming soon...

We reduce delivery times



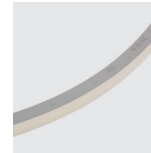
The technological change from PVC to silicone will allow us to make the coating of the Cougar IP68 strips directly at our Montmeló factory. Thanks to this significant improvement we can reduce delivery times to one week.

The local handling of Cougar IP68 strips guarantees not only greater efficiency in production, but also a faster and more effective response to our customers' needs. In this way we strengthen our commitment to customer satisfaction.



Private house - Barcelona  
by Dllum BCN

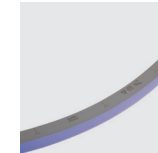
# Index



**C012 VS**  
Cougar  
Vertical bend  
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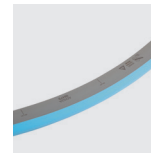
**C012 HS**  
Cougar  
Horizontal bend  
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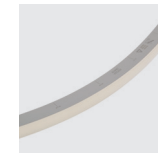
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**C012 RGB HS**  
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**C015 RGBW VS**  
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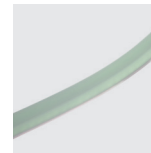
**C012 DW VS**  
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Vertical bend  
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**C012 DW HS**  
Cougar Double White  
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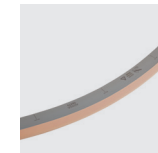
**C012 3LS**  
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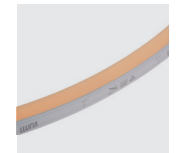
**C012 RGB 3LS**  
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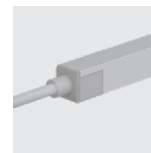
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**C012 18-30 HS**  
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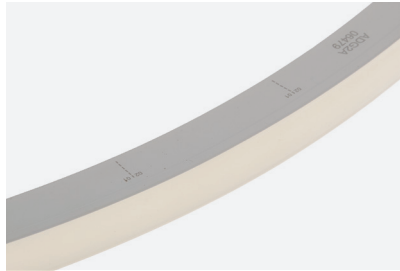


**ACC.**  
**Accessories**  
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# C012-VS

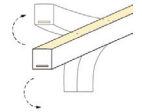
Cougar  
Vertical bend

12 W/m	5 Warranty Years	IP 68	IK08	CRI >80	3 MacAdam STEPS	LED SMD 2835	108 LED/m	55,6mm
Custom	113°	r min 15cm	24V DC	UV	5m max	+55°C -40°C	Si <sup>14</sup> SILICON 28.085	

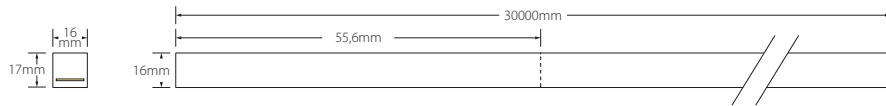


Code	CCT	Lm/m	Lm/W
<b>C012-22-VS</b>	2200K	450	38
<b>C012-27-VS</b>	2700K	565	47
<b>C012-30-VS</b>	3000K	565	47
<b>C012-40-VS</b>	4000K	580	48
<b>C012-57-VS</b>	5700K	580	48

For other temperatures and colours, please contact us.



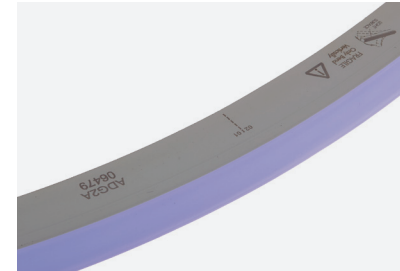
DATA SHEET



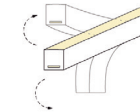
# C012 RGB VS

Cougar RGB  
Vertical bend

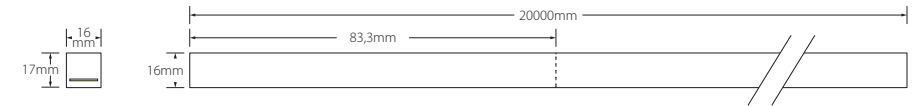
12 W/m	5 Warranty Years	IP 68	LED SMD 5050	84 LED/m	RGB	83,3mm	Custom	3n1
118°	r min 15cm	24V DC	UV	5m max	+55°C -40°C	Si <sup>14</sup> SILICON 28.085		



Code	CCT	Lm/m	Lm/W
<b>C012-RGB-VS</b>	Red	90	
	Green	240	
	Blue	40	



DATA SHEET



# C012-HS

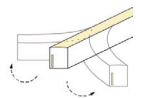
Cougar  
Horizontal bend

12 W/m	5 Warranty Years	IP 68	IK08	CRI >80	3 MacAdam STEPS	LED SMD 2835	108 LED/m	55,6mm
Custom	116°	r min 15cm	24V DC	UV	5m max	+55°C -40°C	Si <sup>14</sup> SILICON 28.085	

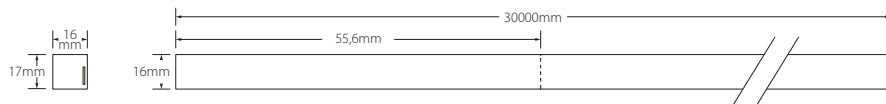


Code	CCT	Lm/m	Lm/W
<b>C012-22-HS</b>	2200K	380	31
<b>C012-27-HS</b>	2700K	470	39
<b>C012-30-HS</b>	3000K	470	39
<b>C012-40-HS</b>	4000K	480	40
<b>C012-57-HS</b>	5700K	480	40

For other temperatures and colours, please contact us.



DATA SHEET



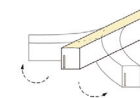
# C012 RGB HS

Cougar RGB  
Horizontal bend

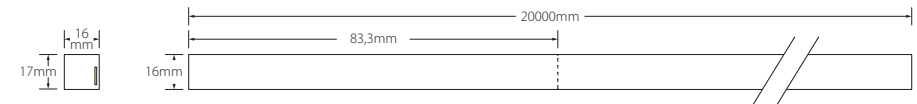
12 W/m	5 Warranty Years	IP 68	LED SMD 5050	84 LED/m	RGB	83,3mm	Custom	3n1
118°	r min 15cm	24V DC	UV	5m max	+55°C -40°C	Si <sup>14</sup> SILICON 28.085		



Code	CCT	Lm/m	Lm/W
<b>C012-RGB-HS</b>	Red	85	
	Green	225	
	Blue	35	



DATA SHEET



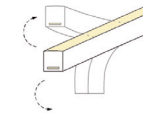
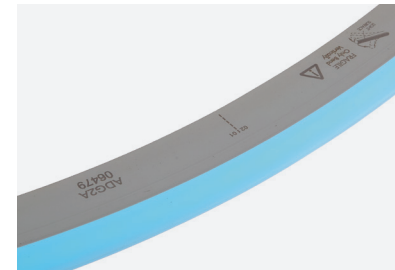


Pignatelli Park - Zaragoza  
by Saltoki

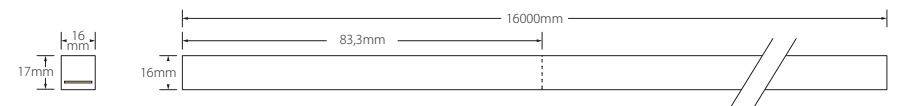
## CO15 RGBW VS

Cougar RGBW  
Vertical bend

15 W/m	5 Warranty Years	IP 68	IK08	LED SMD 5050	84 LED/m	RGB	83,3mm	Custom
4n1	113°	1 min 15cm	24V DC	UV	5m max.	+55°C -40°C	Si <sup>14</sup> SILICON 28.085	



DATA  
SHEET



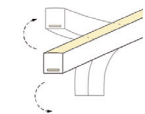
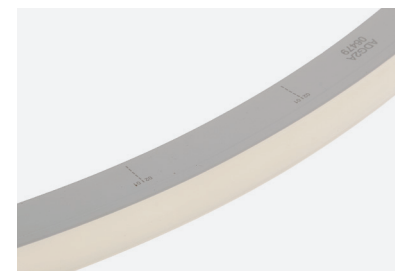
Code	CCT	Lm/m	Lm/W
<b>CO15-RGB-27-VS</b>	Red	90	
	Green	240	
	Blue	40	
	2700K	240	
<b>CO15-RGB-40-VS</b>	Red	90	
	Green	240	
	Blue	40	
	4000K	240	

For other temperatures and colours, please contact us.

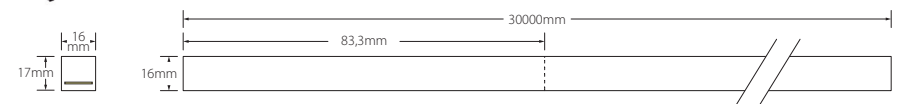
## CO12 DW VS

Cougar Double White  
Vertical bend

12 W/m	5 Warranty Years	IP 68	IK08	CRI >80	LED SMD 3015	144 LED/m	83,3mm	Custom
116°	1 min 15cm	24V DC	UV	5m max.	+55°C -40°C	Si <sup>14</sup> SILICON 28.085		



DATA  
SHEET



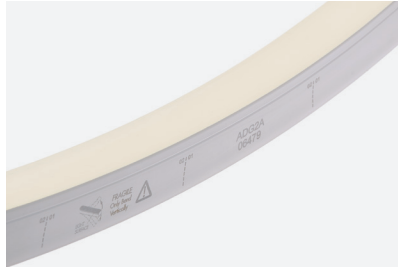
Code	CCT	Lm/m	Lm/W
<b>CO12-22-57-VS</b>	2200K	220	
	5700K	270	

For other temperatures and colours, please contact us.

# CO12 DW HS

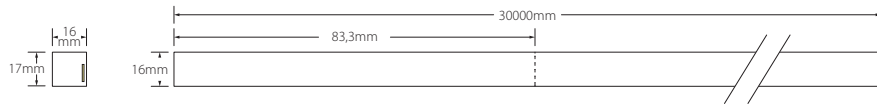
Cougar Double White  
Horizontal bend

12 W/m	5 Warranty Years	IP 68	IK08	CRI >80	LED SMD 3015	144 LED/m	83,3mm	Custom
110°	r min 15cm	24V DC	UV	5m max.	+55°C -40°C	Si <sup>14</sup> SILICON 28.085		



Code	CCT	Lm/m	Lm/W
<b>CO12-22-57-HS</b>	2200K	220	
	5700K	270	

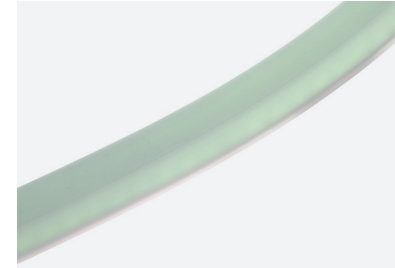
For other temperatures and colours, please contact us.



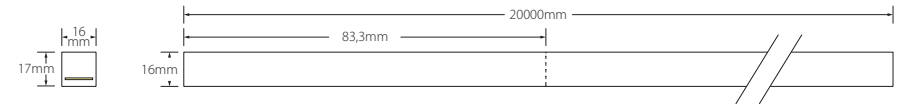
# CO12 RGB 3LS

Cougar RGB 3L  
Vertical bend

12 W/m	5 Warranty Years	IP 68	IK08	LED SMD 5050	84 LED/m	RGB	83,3mm	Custom
3n1	272°	r min 15cm	24V DC	5m max.	+55°C -40°C	Si <sup>14</sup> SILICON 28.085		



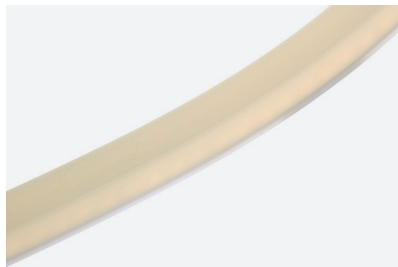
Code	CCT	Lm/m	Lm/W
<b>CO12-RGB-3LS</b> RGB	Red	125	
	Green	350	
	Blue	70	



# CO12 3L VS

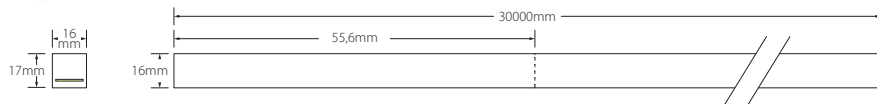
Cougar 3L  
Vertical bend

12 W/m	5 Warranty Years	IP 68	IK08	CRI >80	3 MacAdam STEPS	LED SMD 2835	108 LED/m	55,6mm
Custom	272°	r min 15cm	24V DC	UV	5m max.	+55°C -40°C	Si <sup>14</sup> SILICON 28.085	



Code	CCT	Lm/m	Lm/W
<b>CO12-22-3LS</b>	2200K	850	71
<b>CO12-27-3LS</b>	2700K	1050	88
<b>CO12-30-3LS</b>	3000K	1100	92
<b>CO12-40-3LS</b>	4000K	1100	92
<b>CO12-57-3LS</b>	5700K	1100	92

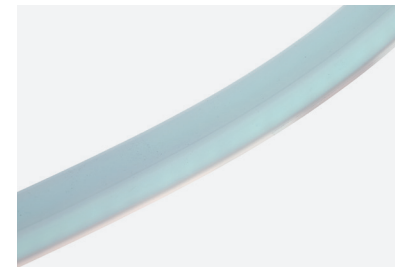
For other temperatures and colours, please contact us.



# CO15 RGBW 3LS

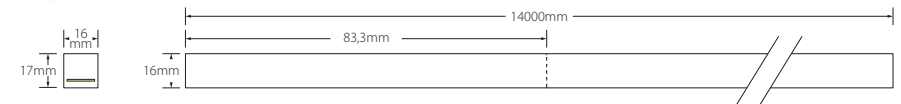
Cougar RGBW 3L  
Vertical bend

15 W/m	5 Warranty Years	IP 68	IK08	LED SMD 5050	84 LED/m	RGB	83,3mm	Custom
4n1	272°	r min 15cm	24V DC	5m max.	+55°C -40°C	Si <sup>14</sup> SILICON 28.085		



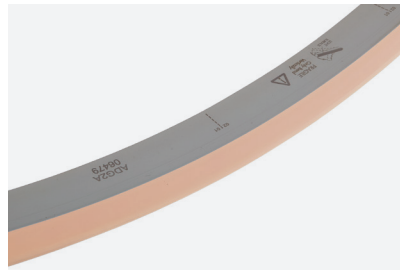
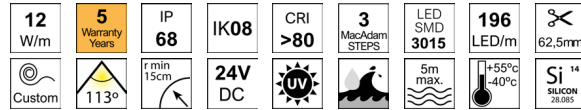
Code	CCT	Lm/m	Lm/W
<b>CO15-RGB-27-3LS</b>	Red	110	
	Green	380	
	Blue	70	
<b>CO15-RGB-40-3LS</b>	2700K	300	
	Red	110	
	Green	380	
	Blue	70	
	4000K	300	

For other temperatures and colours, please contact us.



## CO12 18-30 VS

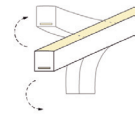
Cougar Dim to Warm  
Vertical bend



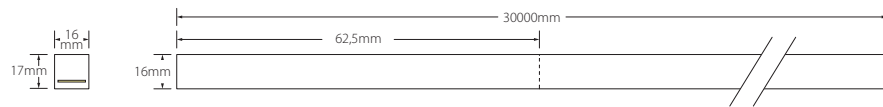
Code	CCT	Lm/m	Lm/W
<b>CO12-18-30-VS</b>	1800K	3,5	
	3000K	600	50

1800K  3000K

For other temperatures and colours, please contact us.

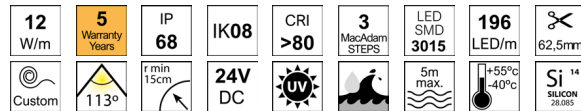


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## CO12 18-30 HS

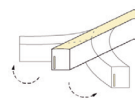
Cougar Dim to Warm  
Horizontal bend



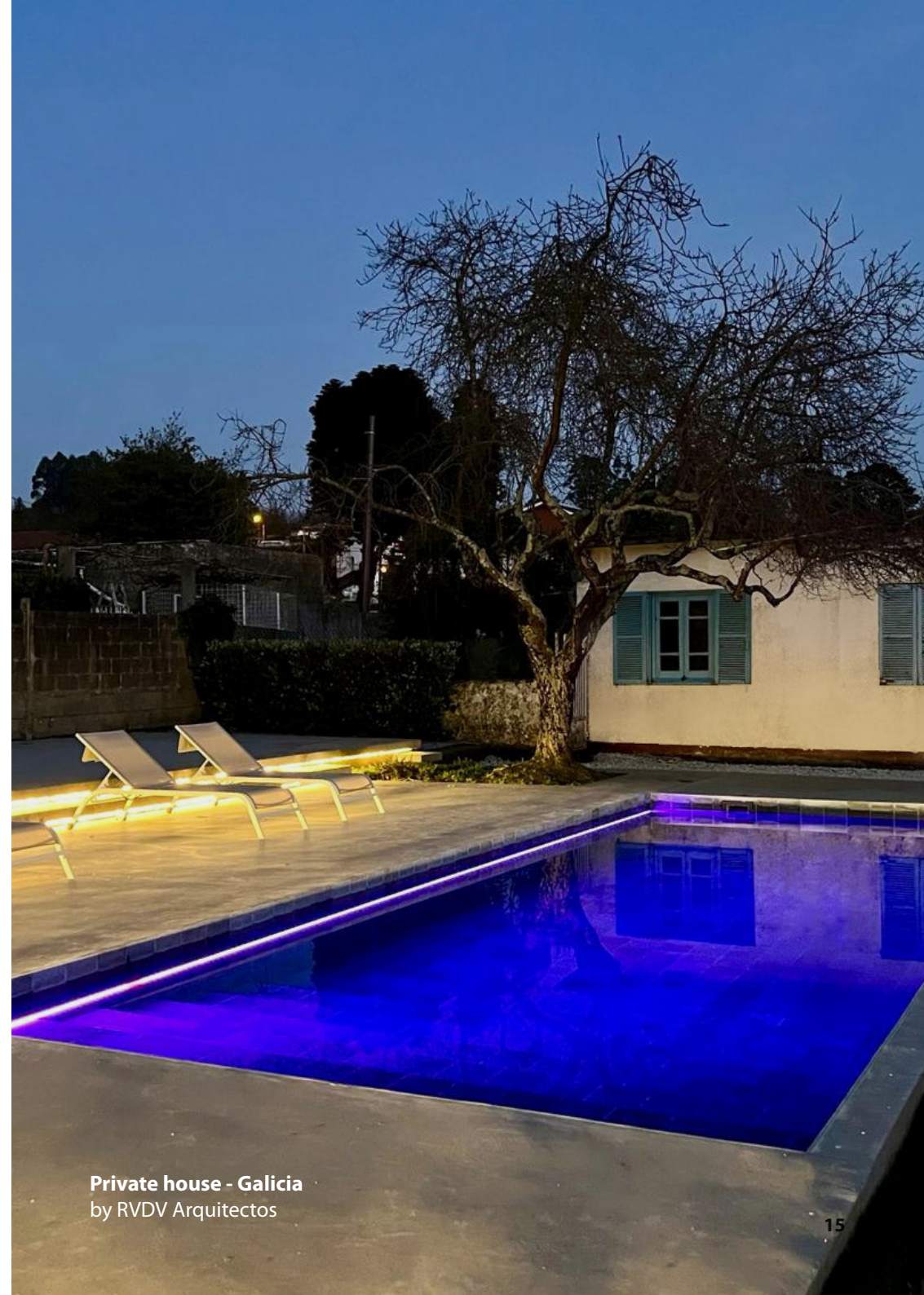
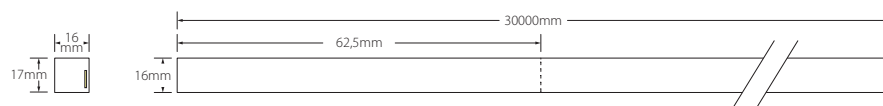
Code	CCT	Lm/m	Lm/W
<b>CO12-18-30-HS</b>	1800K	3	
	3000K	500	42

1800K  3000K

For other temperatures and colours, please contact us.



DATA SHEET



Private house - Galicia  
by RVDV Arquitectos



## Connectors

### IP68 connectors



Front output

Bottom output

Right output

Left output

End cap

#### CO12-VS

<b>111210321S</b>	Front output IP68 connector with 5m cable
<b>111210322S</b>	Bottom output IP68 connector with 5m cable
<b>111210323S</b>	Right output IP68 connector with 5m cable
<b>111210324S</b>	Left output IP68 connector with 5m cable
<b>110210320S</b>	IP68 end cap

#### CO12-HS

<b>111211321S</b>	Front output IP68 connector with 5m cable
<b>111211322S</b>	Bottom output IP68 connector with 5m cable
<b>111211323S</b>	Right output IP68 connector with 5m cable
<b>111211324S</b>	Left output IP68 connector with 5m cable
<b>110211320S</b>	IP68 end cap

#### CO12-RGB-VS

<b>111210341S</b>	Front output IP68 connector with 5m cable
<b>111210342S</b>	Bottom output IP68 connector with 5m cable
<b>111210343S</b>	Right output IP68 connector with 5m cable
<b>111210344S</b>	Left output IP68 connector with 5m cable
<b>110210340S</b>	IP68 end cap

#### CO12-RGB-HS

<b>111211341S</b>	Front output IP68 connector with 5m cable
<b>111211342S</b>	Bottom output IP68 connector with 5m cable
<b>111211343S</b>	Right output IP68 connector with 5m cable
<b>111211344S</b>	Left output IP68 connector with 5m cable
<b>110211340S</b>	IP68 end cap

#### CO15-RGBW-VS

<b>111210351S</b>	Front output IP68 connector with 5m cable
<b>111210352S</b>	Bottom output IP68 connector with 5m cable
<b>111210353S</b>	Right output IP68 connector with 5m cable
<b>111210354S</b>	Left output IP68 connector with 5m cable
<b>110210350S</b>	IP68 end cap

#### CO12-DW-VS

<b>111211331S</b>	Front output IP68 connector with 5m cable
<b>111211332S</b>	Bottom output IP68 connector with 5m cable
<b>111211333S</b>	Right output IP68 connector with 5m cable
<b>111211334S</b>	Left output IP68 connector with 5m cable
<b>110211330S</b>	IP68 end cap

#### CO12-DW-HS

<b>111211331S</b>	Front output IP68 connector with 5m cable
<b>111211332S</b>	Bottom output IP68 connector with 5m cable
<b>111211333S</b>	Right output IP68 connector with 5m cable
<b>111211334S</b>	Left output IP68 connector with 5m cable
<b>110211330S</b>	IP68 end cap

#### CO12-3LS

<b>111212321S</b>	Front output IP68 connector with 5m cable
<b>111212322S</b>	Bottom output IP68 connector with 5m cable
<b>111212323S</b>	Right output IP68 connector with 5m cable
<b>111212324S</b>	Left output IP68 connector with 5m cable
<b>110212320S</b>	IP68 end cap

#### CO12-RGB-3LS

<b>111212341S</b>	Front output IP68 connector with 5m cable
<b>111212342S</b>	Bottom output IP68 connector with 5m cable
<b>111212343S</b>	Right output IP68 connector with 5m cable
<b>111212344S</b>	Left output IP68 connector with 5m cable
<b>110212340S</b>	IP68 end cap

#### CO15-RGBW-3LS

<b>111212351S</b>	Front output IP68 connector with 5m cable
<b>111212352S</b>	Bottom output IP68 connector with 5m cable
<b>111212353S</b>	Right output IP68 connector with 5m cable
<b>111212354S</b>	Left output IP68 connector with 5m cable
<b>110212350S</b>	IP68 end cap

#### CO12-18-30-VS

<b>111213321S</b>	Front output IP68 connector with 5m cable
<b>111213322S</b>	Bottom output IP68 connector with 5m cable
<b>111213323S</b>	Right output IP68 connector with 5m cable
<b>111213324S</b>	Left output IP68 connector with 5m cable
<b>110213320S</b>	IP68 end cap

#### CO12-18-30-HS

<b>111214321S</b>	Front output IP68 connector with 5m cable
<b>111214322S</b>	Bottom output IP68 connector with 5m cable
<b>111214323S</b>	Right output IP68 connector with 5m cable
<b>111214324S</b>	Left output IP68 connector with 5m cable
<b>110214320S</b>	IP68 end cap

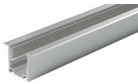
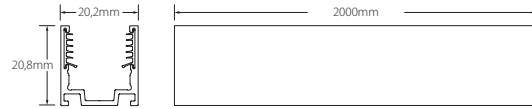
## Accessories

### Cougar vertical bend

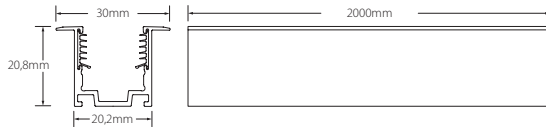


**1240302007**  
2m aluminium surface profile

**1215202007**  
20mm profile cut 1240302007



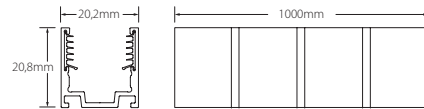
**1240303007**  
2m of aluminium recessed profile



### Cougar horizontal bend



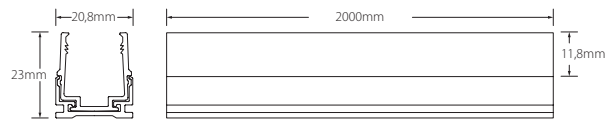
**1240305007**  
1m flexible profile aluminium surface



### Cougar 3L



**1240302108**  
2m aluminium surface profile



**12503070**  
Metal clamping piece



**234001070**  
Metal swing clamp



**235001070**  
Aluminium wall bracket

### IP68 mounting instructions

**IP68  
MOUNTING  
INSTRUCTIONS**



## Cougar Vertical Bend

### Code

**1240302007** 2m aluminium surface profile

**1215202007** 20mm cut-off for 1240302007 profile

**1240303007** 2m aluminium recessed profile

**12503070** Metal clamping piece

**234001070** Metal swing clamp

**235001070** Aluminium wall bracket

## Cougar Horizontal Bend

### Code

**1240302007** 2m aluminium surface profile

**1215202007** 20mm cut-off for 1240302007 profile

**1240303007** 2m aluminium recessed profile

**1240305007** 1m aluminium recessed flex profile

**12503070** Metal clamping piece

**234001070** Metal swing clamp

**235001070** Aluminium wall bracket

## Cougar 3L accessories

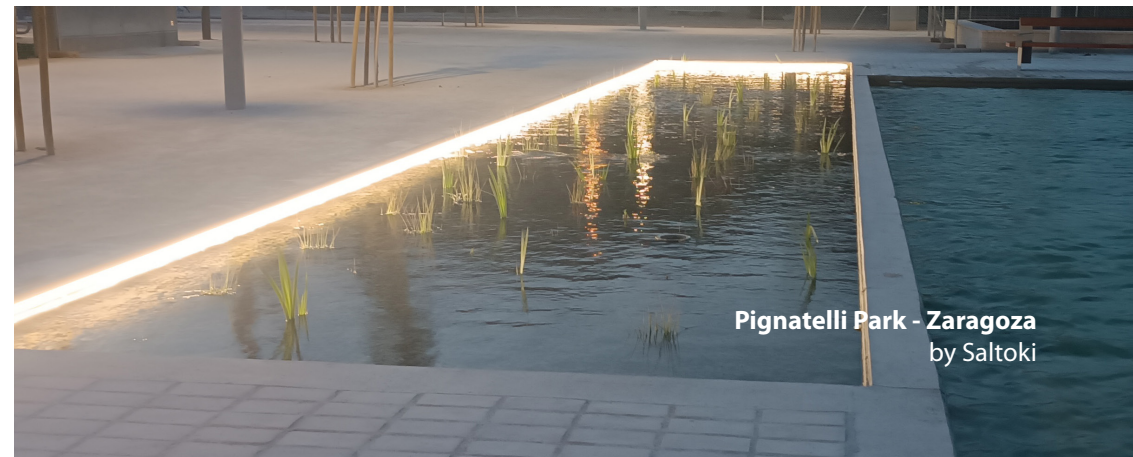
### Code

**1240302108** 2m aluminium-faced profile with transparent sides

**1215202108** 35mm profile cut-off for 1215202108

**234001070** Metal swing clamp

**235001070** Aluminium wall bracket



**Pignatelli Park - Zaragoza**  
by Saltoki

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